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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF LEVELS, TRENDS AND TURNOVER RATES

NOVEMBER 1979
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- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
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COOPERATING REPRESENTATIVE
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LABOR AND INDUSTRY BUILDING-ROOM 1202
HARRISBURG, PENNSYLVANIA 17121
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PENNSYLVANIA EMPLOYMENT & EARNINGS

OCTOBER 1979

Total unemployment in Pennsylvania, both seasonally adjusted and unadjusted, rose in October.

Seasonally adjusted, the rate of unemployment grew to 8.3 percent of the total civilian labor force in October from 7.1 percent in September. The volume of unemployment was estimated at 445,000 in October, a rise of 69,000 over September. Increases were also shown over the previous year. Last October seasonally adjusted unemployment was 389,000 and the rate was 7.3 percent.

The unadjusted rate of unemployment climbed to 7.9 percent in October from 6.7 percent in September. Unemployed workers numbered 426,000 in October, up 69,000 over September. One year ago, unemployment was 369,000 with a rate of 6.9 percent.

Nationwide, the October seasonally adjusted rate was 6.0 percent of the total civilian labor force, up from 5.8 percent in September. The unadjusted rate was 5.6 percent in October, unchanged from September.

MANUFACTURING DROPS SLIGHTLY

Factory employment remained fairly stable during October. The drop of 4,800 jobs was typical for this season of the year. PRIMARY METALS lost 1,900 jobs, accounting for most of the drop in durable industries. APPAREL followed, with a minus 1,200. It should be noted, however, that labor-management disputes in some smaller firms had a minimal effect on both these industry lines. No gains of any significance were in evidence in manufacturing industries during this period.

Employment levels were on a par with last October. Strength, however, was evident only in durable industries, with a gain of more than 15,000. Nondurables showed a minus 15,600 when compared with last October.

Job opportunities appeared to be limited in September, with turnover showing a marked decline. Both new hires and recalls diminished, causing an 11 percent decline in overall accessions. Separations, however, were not as numerous as they were in August. Quits declined 30 percent to a rate of 16 per thousand workers compared with August's rate of 23. Layoffs remained static. Workers apparently did not feel especially optimistic about job opportunities since the inclination seems to have been to hold on to what they had.

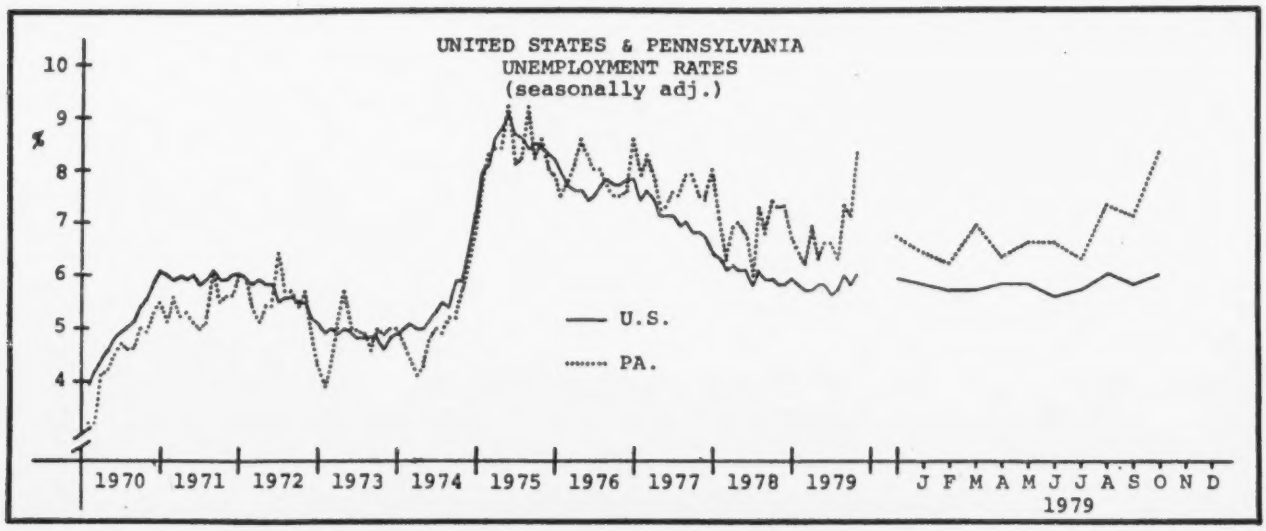
HOURS AND EARNINGS CHANGE LITTLE

Pennsylvania's 994,400 factory production workers averaged $7.14 an hour during October and worked a 39.8 hour week. The average rate edged upward by an unimpressive two cents. The 39.8 hour work week represented a drop of three-tenths an hour. Both durable and nondurable industries registered an average drop of eighteen minutes in the workweek. Durable losses were reflected rather evenly along the industrial array. FOOD and PETROLEUM industries reported rather severe cut-backs of more than an hour a week but curtailments in other nondurable industries were average.

Nationwide, factory earnings averaged $6.83 an hour for a 40.2 hour workweek.

NONMANUFACTURING JOBS EXPAND

Nonfactory jobs increased nearly 41,000 during October. Apart from SERVICES and RETAIL TRADE, however, the private sector showed no other particular strengths. SERVICES, influenced by a strong surge in private educational facilities, shot up 15,600. RETAIL TRADE, up nearly 10,000, was seasonally influenced. The GOVERNMENT sector accounted for 14,200 additional jobs during October and stood within three hundred of last October's employment level. Overall, nonmanufacturing jobs, at 3,362,800, managed to show a twelve month improvement by almost 14,000. SERVICES ran ahead but CONSTRUCTION and RETAIL TRADE fell behind the year ago levels.



EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1978 BENCHMARKS, AND ARE THEREFORE, NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1977. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

On all tables data for most recent month are preliminary and subject to revision.

ADDITIONAL NOTATION ON PAGE 13

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1961	4,508.0	4,080.9	427.1	9.5		70,459.0	65,746.0	4,714.0	6.7	
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,637.0	4,467.0	170.0	3.7		77,347.0	74,372.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,833.0	4,618.0	215.0	4.4		82,715.0	78,627.0	4,088.0	4.9	
1971	4,803.0	4,543.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,875.0	4,609.0	265.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,988.0	4,747.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,036.0	4,778.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,069.0	4,647.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,168.0	4,770.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,252.0	4,888.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1978 Oct.	5,325.0	4,955.0	369.0	6.9	7.3	101,555.0	96,095.0	5,460.0	5.4	5.8
Nov.	5,332.0	4,980.0	352.0	6.6	7.3	101,659.0	96,029.0	5,629.0	5.5	5.8
Dec.	5,347.0	5,026.0	320.0	6.0	6.7	101,632.0	95,906.0	5,725.0	5.6	5.9
1979 Jan.	5,276.0	4,900.0	376.0	7.1	6.4	100,867.0	94,436.0	6,431.0	6.4	5.8
Feb.	5,240.0	4,845.0	394.0	7.5	6.2	101,249.0	94,765.0	6,484.0	6.4	5.7
Mar.	5,277.0	4,865.0	412.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr.	5,186.0	4,866.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,217.0	4,922.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun.	5,343.0	4,959.0	384.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.6
Jul.	5,398.0	5,058.0	340.0	6.3	6.3	104,995.0	98,891.0	6,104.0	5.8	5.7
Aug.	5,350.0	4,977.0	373.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	6.0
Sep.	5,301.0	4,944.0	357.0	6.7	7.1	103,373.0	97,576.0	5,798.0	5.6	5.8
Oct.	5,364.0	4,938.0	426.0	7.9	8.3	103,939.0	98,158.0	5,781.0	5.6	6.0

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From--	
	Oct. 1979	Sept. 1979	Oct. 1978	Sept. 1979	Oct. 1978
TOTAL CIVILIAN LABOR FORCE	5,364.0	5,201.0	5,325.0	63.0	39.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	426.0	357.0	369.0	69.0	57.0
% CIVILIAN LABOR FORCE	7.9	6.7	6.9	1.2	1.0
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	445.0	376.0	389.0	69.0	56.0
% CIVILIAN LABOR FORCE	8.3	7.1	7.3	1.2	1.0
TOTAL EMPLOYMENT	4,938.0	4,944.0	4,955.0	-6.0	-17.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From--	
	Oct. 1979	Sept. 1979	Oct. 1978	Sept. 1979	Oct. 1978
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,742.8	4,705.6	4,730.3	37.2	12.5
LABOR-MANAGEMENT DISPUTES	8.3	7.1	9.3	1.2	-1.0
ALL MANUFACTURING INDUSTRIES	1,371.7	1,376.5	1,372.1	-4.8	-0.4
TOTAL NONMANUFACTURING INDUSTRIES	3,362.8	3,322.0	3,348.9	40.8	13.9
Mining	51.4	52.3	53.4	-0.9	-2.0
Anthracite	3.0	3.0	3.0	0.0	0.0
Bituminous	39.1	40.0	41.9	-0.9	-2.8
Nonmetallic minerals	5.1	5.1	4.8	0.0	0.3
Contract Construction	203.4	204.9	214.3	-1.5	-10.9
General building	53.5	54.7	57.2	-1.2	-3.7
Heavy construction	47.5	48.1	45.4	-0.6	2.1
Special trades	102.4	102.1	111.7	0.3	-9.3
Transportation	167.9	166.4	167.9	1.5	0.0
Railroads	44.5	44.5	45.1	0.0	-0.6
Public Utilities	103.5	103.5	101.1	0.0	2.4
Communications	54.0	53.9	53.0	0.1	1.0
Electric, gas & sanitary service	49.5	49.6	48.1	-0.1	1.4
Electric systems	23.7	23.7	22.8	0.0	0.9
Gas production	11.4	11.4	11.1	0.0	0.3
Wholesale trade	227.9	225.9	226.7	2.0	1.2
Retail trade	743.6	733.7	757.3	9.9	-13.7
General merchandise stores	124.4	123.9	133.1	0.5	-8.7
Department stores	109.7	109.4	117.0	0.3	-7.3
Finance, insurance & real estate	237.0	237.0	228.4	0.0	8.6
Banking	77.8	78.0	75.1	-0.2	2.7
Commercial & stock savings	71.9	72.0	69.4	-0.1	2.5
Credit agencies & securities	30.8	30.4	29.5	0.4	1.3
Insurance	69.9	69.8	67.4	0.1	2.5
Life insurance	26.0	26.1	25.7	-0.1	0.3
Fire, marine & casualty	29.3	29.2	28.2	0.1	1.1
Services	933.9	918.3	905.9	15.6	28.0
Business services	116.8	115.7	115.7	1.1	1.1
Health services	295.9	295.9	290.5	0.0	5.4
Nursing & personal care	47.4	47.5	46.0	-0.1	1.4
Hospitals	184.3	184.1	178.9	0.2	5.4
Educational service	139.5	118.6	124.3	20.9	15.2
Miscellaneous services	42.3	42.2	42.8	0.1	-0.5
Engineering & architectural	25.5	25.6	26.9	-0.1	-1.4
Government	694.2	680.0	693.9	14.2	0.3
Federal	127.5	127.7	128.7	-0.2	-1.2
State & local	566.7	552.3	565.2	14.4	1.5

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS
(Thousands)

Year and Month	Total Nonagr. Wage & Salary	Private Sector Wage & Salary	All Manufacturing	Total Non-Manufacturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.d
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,669.9	3,951.9	1,362.1	3,307.8	46.6	195.3	969.6	226.5	743.1
1978 Oct.	4,721.0	4,027.1	1,372.1	3,348.9	53.4	214.3	984.0	226.7	757.3
Nov.	4,738.2	4,037.5	1,375.3	3,362.9	53.9	208.7	998.6	227.2	771.4
Dec.	4,734.8	4,027.2	1,371.2	3,363.6	52.9	192.5	1,008.0	228.3	779.7
1979 Jan.	4,634.7	3,934.0	1,364.3	3,270.5	52.7	166.1	968.7	228.0	740.7
Feb.	4,619.2	3,908.1	1,363.4	3,255.8	52.0	150.7	948.6	226.3	722.3
Mar.	4,660.7	3,947.1	1,365.4	3,295.3	52.4	166.7	957.2	226.7	730.5
Apr.	4,691.8	3,976.6	1,365.5	3,326.3	52.3	185.2	965.4	228.1	737.3
May	4,732.4	4,012.2	1,368.4	3,364.0	52.8	196.3	971.0	227.0	744.0
Jun.	4,757.2	4,039.5	1,387.3	3,369.9	52.7	198.5	970.3	228.8	741.5
Jul.	4,699.4	4,006.9	1,374.3	3,325.1	52.3	205.7	956.9	229.3	727.6
Aug.	4,688.1	3,998.0	1,367.8	3,320.3	51.9	205.8	955.6	228.8	726.8
Sep.	4,698.5	4,018.5	1,376.5	3,322.0	52.3	204.9	959.6	225.9	733.7
Oct.	4,734.5	4,040.3	1,371.7	3,362.8	51.4	203.4	971.5	227.9	743.6

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	163.5	101.2	226.2	887.5	177.3	710.2	718.0	129.1	588.9
1978 Oct.	167.9	101.1	228.4	905.9	178.9	727.0	693.9	128.7	565.2
Nov.	167.8	101.4	229.5	902.3	179.6	722.7	700.7	128.7	572.0
Dec.	168.0	101.6	231.1	901.9	180.0	721.9	707.6	128.7	578.9
1979 Jan.	164.4	101.6	230.8	885.4	180.2	705.2	700.8	127.6	573.2
Feb.	164.1	101.8	232.5	895.0	180.9	714.1	711.1	126.8	584.3
Mar.	165.5	101.8	233.2	904.9	181.3	723.6	713.6	126.7	586.9
Apr.	165.0	102.1	234.1	907.0	181.3	725.7	715.2	126.7	588.5
May	168.0	102.5	235.8	917.4	181.5	735.9	720.2	127.5	592.7
Jun.	168.7	103.8	238.6	919.6	184.3	735.3	717.7	129.1	588.6
Jul.	162.0	104.4	239.6	911.7	185.1	726.6	692.5	129.6	562.9
Aug.	161.8	104.6	239.6	910.9	184.4	726.5	690.1	128.8	561.3
Sep.	166.4	103.5	237.0	918.3	184.1	734.2	680.0	127.7	552.3
Oct.	167.9	103.5	237.0	933.9	184.3	749.6	694.2	127.5	566.7

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

SEPTEMBER 1979

Industry	Employment (Thousands)	Accession Rates: Total			Accession Rates: New Hires			Accession Rates: Recalls		
		Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978
All Manufacturing	1,376.5	3.1	3.5	3.2	2.1	2.2	2.3	0.8	1.0	0.7
Durable Goods	849.7	2.6	3.0	2.6	1.7	1.8	1.8	0.6	0.9	0.6
Furniture & Fixtures	20.8	5.4	6.9	5.7	5.0	5.2	5.1	0.2	1.6	0.4
Stone, Clay & Glass Products	63.7	3.2	2.9	2.8	1.4	1.7	2.0	1.7	1.1	0.5
Primary Metal Industries	204.4	1.7	2.0	2.0	0.9	1.2	1.1	0.5	0.5	0.7
Fabricated Metal Products	114.6	3.4	4.7	3.1	2.3	2.4	2.2	0.7	1.9	0.7
Machinery, exc. Electrical	140.9	1.8	2.3	1.8	1.5	1.5	1.5	0.2	0.6	0.2
Electric & Electronic Equip.	129.1	2.8	3.0	2.5	1.8	2.1	1.5	0.5	0.5	0.7
Transportation Equipment	88.2	3.2	3.1	3.8	1.6	1.4	2.1	1.1	1.2	1.3
Instruments & Related Products	39.4	1.6	1.9	2.4	1.3	1.2	1.9	0.2	0.5	0.3
Miscellaneous Manufacturing	26.8	4.7	4.8	3.9	3.7	[illegible]4	2.9	0.8	1.3	0.7
Nondurable Goods	526.8	4.0	4.2	3.9	2.7	2.7	3.0	1.0	1.2	0.7
Food & Kindred Products	98.9	5.0	5.4	4.8	3.5	3.5	3.4	1.4	1.4	1.2
Textile Mill Products	48.4	3.9	4.4	4.6	3.4	3.4	4.1	0.7	0.9	0.3
Apparel & Related Products	123.2	5.4	5.3	4.6	2.6	2.6	3.3	2.1	2.4	1.0
Paper & Allied Products	45.6	3.5	3.6	2.8	2.6	2.6	2.4	0.3	0.9	0.2
Printing & Publishing	70.8	2.7	2.5	2.7	1.9	1.9	2.3	0.4	0.1	0.3
Chemicals & Allied Products	61.5	2.0	1.9	1.7	1.6	1.6	1.3	0.3	0.3	0.3
Petroleum & Coal Products	17.4	1.7	1.4	1.4	0.9	0.9	1.1	0.2	0.1	0.1
Rubber & Plastics Products	40.7	3.7	3.9	3.6	2.8	2.8	2.4	0.5	0.7	0.7
Leather & Leather Products	16.7	5.9	10.4	8.5	6.5	6.5	6.7	0.7	3.7	1.3

Industry	Employment (Thousands)	Separation Rates: Total			Separation Rates: Quits			Separation Rates: Layoffs		
		Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978
All Manufacturing	1,376.5	3.5	4.2	3.4	1.6	2.3	1.9	1.2	1.2	0.8
Durable Goods	849.7	3.1	3.7	2.7	1.2	1.8	1.3	1.1	1.1	0.7
Furniture & Fixtures	20.8	6.3	6.8	5.0	3.3	4.4	3.3	1.4	0.7	0.5
Stone, Clay & Glass Products	63.7	3.2	4.1	3.3	1.2	2.1	1.5	1.2	1.4	1.3
Primary Metal Industries	204.4	3.5	3.4	2.6	1.0	1.7	1.2	1.7	0.8	0.7
Fabricated Metal Products	114.6	3.0	4.6	3.2	1.2	2.0	1.5	1.1	1.9	1.0
Machinery, exc. Electrical	140.9	2.0	2.3	1.8	0.9	1.3	1.0	0.5	0.4	0.3
Electric & Electronic Equip.	129.1	2.6	3.9	2.6	1.3	2.0	1.3	0.6	1.0	0.5
Transportation Equipment	88.2	2.8	3.4	2.6	1.0	1.1	1.0	1.0	1.4	0.8
Instruments & Related Products	39.4	3.2	2.6	2.5	1.2	1.5	1.3	1.1	0.3	0.7
Miscellaneous Manufacturing	26.8	4.5	6.2	3.9	2.2	3.7	1.6	1.2	1.9	0.8
Nondurable Goods	526.8	4.3	5.0	4.3	2.3	2.9	2.7	1.3	1.4	1.0
Food & Kindred Products	98.9	4.9	4.6	4.6	2.5	3.1	2.7	1.5	0.8	1.2
Textile Mill Products	48.4	5.0	6.2	5.4	3.2	3.7	3.9	1.2	0.4	0.8
Apparel & Related Products	123.2	5.3	6.5	5.0	2.4	2.8	3.0	2.4	2.7	1.1
Paper & Allied Products	45.6	4.1	4.5	4.1	2.3	2.7	2.3	0.9	0.8	1.2
Printing & Publishing	70.8	2.7	3.2	2.5	1.7	2.2	1.7	0.6	0.4	0.3
Chemicals & Allied Products	61.5	2.3	2.8	2.2	1.2	1.9	1.2	0.7	0.4	0.5
Petroleum & Coal Products	17.4	1.9	3.6	2.4	1.1	2.5	1.4	0.1	0.4	0.5
Rubber & Plastics Products	40.7	4.5	5.6	4.5	2.3	3.3	2.6	1.1	1.3	1.1
Leather & Leather Products	16.7	8.5	10.8	10.3	6.3	6.7	6.8	1.4	3.4	2.5

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Detail
(Thousands)

SIC	Industry	Total - All Employees			Net Change From -	
		Oct. 1979	Sept. 1979	Oct. 1978	Sept. 1979	Oct. 1978
	TOTAL MANUFACTURING INDUSTRIES	1,371.7	1,376.5	1,372.1	-4.8	-0.4
	TOTAL DURABLE GOODS	847.5	849.7	832.3	-2.2	15.2
24	Lumber & wood products	21.6	21.8	22.5	-0.2	-0.9
243	Millwork, plywood & structural	7.1	7.1	7.4	0.0	-0.3
	Other lumber & wood products	14.5	14.7	15.1	-0.2	-0.6
25	Furniture & fixtures	20.7	20.8	20.8	-0.1	-0.1
251	Household furniture	10.2	10.1	9.9	0.1	0.3
252	Office furniture	4.8	4.9	5.1	-0.1	-0.3
	Other furniture & fixtures	5.7	5.8	5.8	-0.1	-0.1
32	Stone, clay & glass products	63.3	63.7	64.9	-0.4	-1.6
322	Glass & glassware, pressed or blown	17.0	17.0	17.6	0.0	-0.6
3221	Glass containers	9.3	9.2	9.6	0.1	-0.3
3229	Other pressed or blown glass	7.7	7.8	8.0	-0.1	-0.3
324	Hydraulic cement	3.2	3.3	3.4	-0.1	-0.2
325	Structural clay products	6.3	6.2	6.4	0.1	-0.1
326	Pottery & related products	4.4	4.4	4.4	0.0	0.0
327	Concrete, gypsum & plaster products	9.0	9.2	8.9	-0.2	0.1
	Other stone, clay & glass products	23.4	23.6	24.2	-0.2	-0.8
33	Primary metal industries	202.5	204.4	199.6	-1.9	2.9
331	Blast furnace & basic steel products	151.1	152.9	150.0	-1.8	1.1
3312	Blast furnaces & steel mills	137.8	139.6	137.1	-1.8	0.7
	Other basic steel products	13.3	13.3	12.9	0.0	0.4
332	Iron & steel foundries	20.7	20.7	19.7	0.0	1.0
3321	Gray iron foundries	8.2	8.3	7.8	-0.1	0.4
3325	Steel foundries, n.e.c.	7.5	7.4	6.9	0.1	0.6
3322,4	Malleable iron & steel invest.	5.0	5.0	5.0	0.0	0.0
335	Nonferrous rolling & drawing	13.2	13.2	12.9	0.0	0.3
336	Nonferrous foundries	7.9	7.9	7.5	0.0	0.4
	Other primary metal products	9.6	9.7	9.5	-0.1	0.1
34	Fabricated metal products,(incl. ordnance)	114.9	114.6	113.2	0.3	1.7
341	Metal cans & shipping containers	4.6	4.8	4.9	-0.2	-0.3
342	Cutlery, hand tools & hardware	7.5	7.5	8.0	0.0	-0.5
343	Plumbing & heating exc. electrical	3.0	3.0	3.0	0.0	0.0
344	Fabricated structural metal products	37.2	37.8	36.8	-0.6	0.4
3441	Fabricated structural metal	9.5	9.9	9.1	-0.4	0.4
3443	Fabricated plate work (boiler shops)	10.8	11.3	10.5	-0.5	0.3
	Other fabricated struct. metal products	16.9	16.6	17.2	0.3	-0.3
345	Screw machine products, bolts, etc.	8.9	8.8	8.1	0.1	0.8
346	Metal forgings & stampings	20.8	20.0	20.4	0.8	0.4
3462	Iron & steel forgings	6.3	6.2	5.7	0.1	0.6
	Other metal forgings & stampings	14.5	13.8	14.7	0.7	-0.2
347,8	Metal services & ordnance, n.e.c.	8.1	8.2	8.2	-0.1	-0.1
349	Misc. fabricated metal products	24.8	24.5	23.8	0.3	1.0
3494	Valves & pipe fittings	11.0	11.0	10.5	0.0	0.5
	Other misc. fabricated metal products	13.8	13.5	13.3	0.3	0.5
35	Machinery, exc. electrical	141.0	140.9	139.2	0.1	1.8
351	Engines & turbines	7.7	7.8	8.0	-0.1	-0.3
352	Farm & garden machinery	4.4	4.4	4.2	0.0	0.2
353	Construction & related machinery	26.2	26.3	25.9	-0.1	0.3
3531	Construction machinery	10.0	10.1	10.0	-0.1	0.0
3535	Conveyors & conveying equipment	3.4	3.5	3.6	-0.1	-0.2
	Other construction & related machinery	12.8	12.7	12.3	0.1	0.5
354	Metal working machinery	21.7	21.7	21.4	0.0	0.3
355	Special industry machinery	15.1	15.0	13.7	0.1	1.4
356	General industrial machinery	29.2	29.1	29.3	0.1	-0.1
3561	Pumps & pumping equipment	3.6	3.6	3.7	0.0	-0.1
3562	Ball & roller bearings	4.4	4.4	4.2	0.0	0.2
3563	Air & gas compressors	5.2	5.2	5.5	0.0	-0.3
3567	Industrial furnaces & ovens	4.1	4.0	4.0	0.1	0.1
	Other general industrial machinery	11.9	11.9	11.9	0.0	0.0

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.) Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Oct. 1979	Sept. 1979	Oct. 1978	Sept. 1979	Oct. 1978
357	Office and computing machines	11.6	11.5	11.7	0.1	-0.1
358	Refrigeration & service industry machinery	11.4	11.3	12.0	0.1	-0.6
359	Misc. machinery, exc. electrical	13.7	13.8	13.0	-0.1	0.7
36	Electric & electronic equipment	128.3	129.1	126.1	-0.8	2.2
361	Electric distributing equipment	18.9	19.1	20.0	-0.2	-1.1
3612	Transformers	6.3	6.4	6.5	-0.1	-0.2
3613	Switchgear & switchboard apparatus	12.6	12.7	13.5	-0.1	-0.9
362	Electrical industrial apparatus	23.3	23.3	23.9	0.0	-0.6
363	Household appliances	4.4	4.6	4.9	-0.2	-0.5
364	Electric lighting & wiring equipment	22.9	23.3	22.2	-0.4	0.7
3643	Current-carrying wiring devices	11.2	11.2	10.7	0.0	0.5
	Other electric light & wiring equipment	11.7	12.1	11.5	-0.4	0.2
366	Communication equipment	9.8	9.6	8.6	0.2	1.2
367	Electronic components & accessories	36.0	36.0	33.8	0.0	2.2
3674	Semiconductors & related devices	11.9	11.9	10.6	0.0	1.3
	Other electronic components & accessories	24.1	24.1	23.2	0.0	0.9
	Other electrical equipment & supplies	13.0	13.2	12.7	-0.2	0.3
37	Transportation equipment	88.9	88.2	81.1	0.7	7.8
371	Motor vehicles & equipment	31.7	31.8	27.3	-0.1	4.4
3714	Motor vehicle parts & accessories	11.4	11.5	11.6	-0.1	-0.2
	Other motor vehicles & equipment	20.3	20.3	15.7	0.0	4.6
372	Aircraft & parts	12.0	11.7	11.2	0.3	0.8
373	Ship & boat building & repairing	8.5	8.4	7.3	0.1	1.2
374	Railroad equipment	24.2	23.9	22.7	0.3	1.5
	Other transportation equipment	12.5	12.4	12.6	0.1	-0.1
38	Instruments & related products	39.4	39.4	37.3	0.0	2.1
382	Measuring & controlling devices	21.1	21.2	19.4	-0.1	1.7
384	Medical instruments & supplies	11.2	11.2	10.8	0.0	0.4
	Other instruments & related products	7.1	7.0	7.1	0.1	0.0
39	Miscellaneous manufacturing industries	26.9	26.8	27.6	0.1	-0.7
	TOTAL NONDURABLE GOODS	524.2	526.8	539.8	-2.6	-15.6
20	Food & kindred products	98.9	98.9	99.3	0.0	-0.4
201	Meat products	15.4	15.4	15.0	0.0	0.4
2011	Meat packing plants	4.9	4.9	4.9	0.0	0.0
2013	Sausages & other prepared meats	5.5	5.5	5.4	0.0	0.1
2016,7	Poultry dressing & processing	5.0	5.0	4.7	0.0	0.3
202	Dairy products	11.2	11.7	11.7	-0.5	-0.5
2026	Fluid milk	6.6	6.8	6.9	-0.2	-0.3
	Other dairy products	4.6	4.9	4.8	-0.3	-0.2
203	Preserved fruits & vegetables	15.0	14.7	14.1	0.3	0.9
2033	Canned fruits & vegetables	7.1	6.1	6.8	1.0	0.3
	Other preserved fruits & vegetables	7.9	8.6	7.3	-0.7	0.6
204	Grain mill products	4.2	4.2	4.6	0.0	-0.4
205	Bakery products	19.8	19.3	20.4	0.5	-0.6
2051	Bread, cake & related products	15.0	14.9	15.6	0.1	-0.6
2052	Cookies & crackers	4.8	4.4	4.8	0.4	0.0
206	Sugar & confectionery products	15.4	15.6	15.6	-0.2	-0.2
2065	Confectionery products	6.4	6.6	6.3	-0.2	0.1
2066	Chocolate & cocoa products	6.5	6.5	6.2	0.0	0.3
	Other sugar products	2.5	2.5	3.1	0.0	-0.6
208	Beverages	9.4	9.5	9.6	-0.1	-0.2
	Other food & kindred products	8.5	8.5	8.3	0.0	0.2
21	Tobacco manufacturers	3.5	3.6	4.2	-0.1	-0.7
22	Textile mill products	48.2	48.4	51.2	-0.2	-3.0
222	Weaving mills, snythetics	4.3	4.2	4.5	0.1	-0.2
225	Knitting mills	24.9	25.4	26.9	-0.5	-2.0
2253	Knit outerwear mills	13.7	13.8	15.0	-0.1	-1.3
2254	Knit underwear mills	4.6	4.8	4.9	-0.2	-0.3
	Other knitting mills	6.6	6.8	7.0	-0.2	-0.4
227	Floor covering mills	4.0	3.9	4.1	0.1	-0.1
228	Yarn & thread mills	4.8	4.8	5.2	0.0	-0.4
	Other textile mill products	10.2	10.1	10.5	0.1	-0.3

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(concl.) Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Oct. 1979	Sept. 1979	Oct. 1978	Sept. 1979	Oct. 1978
23	Apparel & other textile products	122.0	123.2	133.3	-1.2	-11.3
231	Mens & boys suits & coats	14.4	15.0	16.9	-0.6	-2.5
232	Mens & boys furnishings	24.1	24.3	25.2	-0.2	-1.1
2321	Mens & boys shirts & nightwear	9.4	9.6	9.8	-0.2	-0.4
2327	Mens & boys separate trousers	5.8	5.7	6.0	0.1	-0.2
	Other furnishings and work clothing	8.9	9.0	9.4	-0.1	-0.5
233	Womens & misses outerwear	54.5	54.7	60.5	-0.2	-6.0
234	Women & childrens undergarments	10.4	10.4	10.6	0.0	-0.2
236	Childrens outerwear	6.7	6.6	7.6	0.1	-0.9
	Other apparel & textile products	11.9	12.2	12.5	-0.3	-0.6
26	Paper & allied products	44.8	45.6	45.7	-0.8	-0.9
262	Paper mills exc. building paper	11.3	11.7	11.6	-0.4	-0.3
265	Paper board containers & boxes	16.3	16.5	16.7	-0.2	-0.4
2653	Corrugated & solid fiber boxes	8.4	8.3	8.4	0.1	0.0
	Other paperboard containers	7.9	8.2	8.3	-0.3	-0.4
	Other paper & allied products	17.2	17.4	17.4	-0.2	-0.2
27	Printing & publishing	70.7	70.8	69.6	-0.1	1.1
271	Newspapers	25.5	25.4	25.0	0.1	0.5
273	Books	8.0	8.2	8.1	-0.2	-0.1
275	Commercial printing	20.0	19.9	19.8	0.1	0.2
2752	Lithographing	10.2	10.1	10.0	0.1	0.2
	Other commercial printing	9.8	9.8	9.8	0.0	0.0
276	Manifold business forms	3.8	3.8	3.6	0.0	0.2
	Other printing & publishing	13.4	13.5	13.1	-0.1	0.3
28	Chemicals & allied products	61.4	61.5	60.3	-0.1	1.1
281	Industrial inorganic chemicals	11.2	11.2	10.6	0.0	0.6
282	Plastic materials & synthetics	8.5	8.5	8.6	0.0	-0.1
283	Drugs	17.6	17.6	17.0	0.0	0.6
284	Soap, cleaners & toliet goods	3.1	3.1	3.3	0.0	-0.2
285	Paints & allied products	4.3	4.4	4.3	-0.1	0.0
	Other chemical & allied products	16.7	16.7	16.5	0.0	0.2
29	Petroleum & coal products	17.1	17.4	17.1	-0.3	0.0
291	Petroleum refining	13.3	13.5	13.2	-0.2	0.1
	Other petroleum & coal products	3.8	3.9	3.9	-0.1	-0.1
30	Rubber & misc. plastic products	40.9	40.7	40.8	0.2	0.1
301	Tires & inner tubes	7.9	7.9	7.9	0.0	0.0
306	Fabricated rubber products	5.6	5.7	5.2	-0.1	0.4
	Other rubber & plastic products, n.e.c.	27.4	27.1	27.7	0.3	-0.3
31	Leather & leather products	16.7	16.7	18.3	0.0	-1.6
314	Footwear, exc. rubber	12.6	12.7	14.3	-0.1	-1.7
3143	Mens footwear, exc. athletic	4.4	4.4	5.4	0.0	-1.0
3144	Womens footwear, exc. athletic	4.3	4.4	5.0	-0.1	-0.7
	Other footwear	3.9	3.9	3.9	0.0	0.0
	Other leather & leather products	4.1	4.0	4.0	0.1	0.1

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
TOTAL MANUFACTURING INDUSTRIES	$284.17	$285.51	$262.10	39.8	40.1	40.2	$7.14	$7.12	$6.52
TOTAL DURABLE GOODS	323.05	323.42	297.86	41.1	41.2	41.6	7.86	7.85	7.16
Lumber & wood products	202.54	206.44	197.88	39.1	39.7	40.8	5.18	5.20	4.85
Millwork, plywood & structural	208.83	211.97	210.63	38.6	39.4	41.3	5.41	5.38	5.10
Other lumber & wood products	199.36	203.38	191.57	39.4	39.8	40.5	5.06	5.11	4.73
Furniture & fixtures	225.42	230.04	213.05	39.0	39.8	39.6	5.78	5.78	5.38
Household furniture	200.59	205.40	192.67	38.5	39.5	39.4	5.21	5.20	4.89
Office furniture	242.06	243.71	227.75	38.3	38.5	39.2	6.32	6.33	5.81
Other furniture & fixtures	257.18	265.63	235.57	40.5	41.7	40.2	6.35	6.37	5.86
Stone, clay & glass products	311.16	312.34	279.23	42.8	43.2	42.5	7.27	7.23	6.57
Glass & glassware, pressed or blown	284.21	286.82	263.16	40.2	40.8	40.3	7.07	7.03	6.53
Glass containers	302.99	305.12	287.46	41.0	41.4	41.6	7.39	7.37	6.91
Other pressed or blown glass	261.46	266.26	236.51	39.2	40.1	38.9	6.67	6.64	6.08
Hydraulic cement	383.50	400.20	363.69	39.7	41.3	41.9	9.66	9.69	8.68
Structural clay products	271.75	269.10	248.88	41.3	41.4	40.6	6.58	6.50	6.13
Pottery & related products	274.55	270.73	270.02	42.5	42.5	46.0	6.46	6.37	5.87
Concrete, gypsum & plaster prods.	290.36	302.39	271.12	42.7	44.6	44.3	6.80	6.78	6.12
Other stone, clay & glass prods.	362.07	355.12	297.84	46.9	46.3	43.8	7.72	7.67	6.80
Primary metal industries	398.37	407.12	365.20	40.9	41.5	41.5	9.74	9.81	8.80
Blast furnace & basic steel prods.	426.30	439.25	391.35	40.6	41.4	41.5	10.50	10.61	9.43
Blast furnaces & steel mills	432.28	445.78	394.70	40.4	41.2	41.2	10.70	10.82	9.58
Other basic steel products	373.68	373.23	355.81	43.3	43.5	44.7	8.63	8.58	7.96
Iron & steel foundries	307.20	302.40	281.10	40.0	40.0	40.1	7.68	7.56	7.01
Gray iron foundries	302.88	303.14	282.22	40.6	40.8	41.2	7.46	7.43	6.85
Steel foundries, n.e.c.	312.05	291.47	276.99	39.5	38.2	38.1	7.90	7.63	7.27
Malleable iron & steel invest.	306.48	315.65	284.96	39.7	41.1	41.6	7.72	7.68	6.85
Nonferrous rolling & drawing	327.33	324.85	304.50	42.4	42.8	43.5	7.72	7.59	7.00
Nonferrous foundries	314.26	296.78	263.54	44.2	43.2	41.7	7.11	6.87	6.32
Other primary metal products	318.78	320.25	290.50	42.0	42.7	41.5	7.59	7.50	7.00
Fabricated metal prods., incl. ordn.	292.25	286.80	273.36	40.2	40.0	40.8	7.27	7.17	6.70
Metal cans & shipping containers	311.22	313.22	331.22	39.0	39.3	44.4	7.98	7.97	7.46
Cutlery, hand tools & hardware	236.73	229.96	212.22	39.0	38.2	38.1	6.07	6.02	5.57
Plumbing & heating exc. electrical	294.25	295.01	261.38	43.4	43.9	42.5	6.78	6.72	6.15
Fabricated structural metal prods.	289.46	285.60	261.62	41.0	40.8	41.2	7.06	7.00	6.35
Fabricated struct. metal	273.48	269.97	297.60	34.1	34.7	40.0	8.02	7.78	7.44
Fab. plate work (boiler shops)	320.23	318.52	270.51	44.6	44.3	42.6	7.18	7.19	6.35
Other fab. struct. metal prods.	279.46	273.65	237.80	42.6	42.1	41.0	6.56	6.50	5.80
Screw machine products, bolts, etc.	279.89	271.75	254.81	40.8	40.2	40.9	6.86	6.76	6.23
Metal forgings & stampings	347.31	329.34	349.42	39.2	38.7	42.2	8.86	8.51	8.28
Iron & steel forgings	300.89	297.48	316.96	39.8	40.2	43.9	7.56	7.40	7.22
Other metal forgings & stampings	362.70	340.61	360.67	39.0	38.1	41.6	9.30	8.94	8.67
Metal services & ordnance, n.e.c.	265.84	270.47	246.98	39.5	39.6	39.9	6.73	6.83	6.19
Misc. fabricated metal products	274.69	274.69	249.46	40.1	40.1	39.1	6.85	6.85	6.38
Valves & pipe fittings	284.78	278.99	246.27	40.8	40.2	38.3	6.98	6.94	6.43
Other misc. fab. metal products	267.70	272.28	251.46	39.6	40.1	39.6	6.76	6.79	6.35
Machinery, exc. electrical	320.97	318.33	297.08	42.4	42.5	42.5	7.57	7.49	6.99
Engines & turbines	252.96	239.09	308.28	34.7	34.6	42.0	7.29	6.91	7.34
Farm & garden machinery	404.02	367.88	351.71	47.7	46.1	46.4	8.47	7.98	7.58
Construction & related machinery	328.00	331.61	316.83	41.0	41.4	42.7	8.00	8.01	7.42
Construction machinery	329.26	349.87	333.33	40.4	41.8	42.9	8.15	8.37	7.77
Conveyors & conveying equipment	261.20	237.25	260.41	40.0	37.9	41.4	6.53	6.26	6.29
Other constr. & related mach.	336.94	328.64	311.28	41.7	41.6	42.7	8.08	7.90	7.29
Metal working machinery	312.82	311.92	298.39	39.9	40.3	41.1	7.84	7.74	7.26
Special industry machinery	310.75	310.79	263.90	41.6	42.4	40.6	7.47	7.33	6.50
General industrial machinery	341.86	337.49	297.98	45.4	45.3	43.5	7.53	7.45	6.85
Pumps & pumping equipment	323.60	326.32	291.02	42.3	42.6	43.5	7.65	7.66	6.69
Ball & roller bearings	341.60	351.17	319.29	46.1	47.2	43.5	7.41	7.44	7.34
Air & gas compressors	378.18	354.75	322.70	49.5	47.3	46.7	7.64	7.50	6.91
Industrial furnaces & ovens	299.60	300.64	281.39	40.0	40.3	39.8	7.49	7.46	7.07
Other general industrial mach.	344.12	337.44	288.38	45.7	45.6	43.3	7.53	7.40	6.66
Office and computing machines	357.50	356.59	329.87	45.6	45.6	44.1	7.84	7.82	7.48
Refrigeration & serv. ind. mach.	271.13	266.27	244.26	42.9	41.8	41.4	6.32	6.37	5.90
Misc. machinery, exc. electrical	315.38	310.31	285.29	43.5	43.4	42.9	7.25	7.15	6.65

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(cont.) Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
Electric & electronic equipment	$272.56	$271.62	$259.78	40.2	40.3	41.3	$6.78	$6.74	$6.29
Electric distributing equipment	316.23	311.54	310.28	41.5	41.1	42.1	7.62	7.58	7.37
Transformers	299.88	301.17	311.43	40.8	41.2	44.3	7.35	7.31	7.03
Switchgear & switchbrd apparatus	323.95	317.29	309.20	41.8	41.1	40.9	7.75	7.72	7.56
Electrical industrial apparatus	265.30	270.47	273.49	38.9	39.6	41.5	6.82	6.83	6.59
Household appliances	239.42	246.74	239.94	34.4	35.4	38.7	6.96	6.97	6.20
Electric lighting & wiring equip.	266.88	262.67	240.31	41.7	41.3	40.8	6.40	6.36	5.89
Current-carrying wiring devices	281.16	284.10	241.72	44.0	44.6	40.9	6.39	6.37	5.91
Other elect lght & wirng equip.	257.68	249.95	239.90	40.2	39.3	40.8	6.41	6.36	5.88
Communication equipment	311.26	311.65	281.82	39.6	39.6	42.7	7.86	7.87	6.60
Electronic components & access.	270.85	269.51	239.72	41.1	41.4	40.7	6.59	6.51	5.89
Semiconductors & related devices	368.63	365.03	306.60	44.2	44.3	42.0	8.34	8.24	7.30
Other electronic comp.& access.	224.70	224.00	205.71	39.7	40.0	40.1	5.66	5.60	5.13
Other electrical equip. & supplies	235.98	233.93	235.76	38.0	38.1	42.1	6.21	6.14	5.60
Transportation equipment	356.14	350.26	326.98	41.8	41.5	42.3	8.52	8.44	7.73
Motor vehicles & equipment	370.24	359.79	358.05	41.6	40.7	43.4	8.90	8.84	8.25
Motor vehicle parts & access.	371.74	354.03	363.41	42.1	40.6	44.7	8.83	8.72	8.13
Other motor vehicles & equip.	368.33	363.94	354.05	41.2	40.8	42.3	8.94	8.92	8.37
Aircraft & parts	349.03	338.58	398.33	41.9	41.8	40.7	8.33	8.10	7.33
Ship & boat building & repairing	351.35	352.80	298.98	43.7	44.1	40.9	8.04	8.00	7.31
Railroad equipment	360.19	359.48	318.00	39.8	40.3	40.0	9.05	8.92	7.95
Other transportation equipment	310.04	299.93	301.41	46.0	44.5	46.3	6.74	6.74	6.51
Instruments & related products	269.21	270.03	247.64	41.1	41.1	41.0	6.55	6.57	6.04
Measuring & controlling devices	293.94	297.56	258.54	42.6	43.0	41.3	6.90	6.92	6.26
Medical instruments & supplies	233.63	226.00	237.74	39.2	38.5	40.5	5.96	5.87	5.87
Other instruments & related prods.	251.30	255.17	231.34	39.7	39.5	40.8	6.33	6.46	5.67
Misc. manufacturing industries	263.57	258.08	239.13	40.8	40.2	41.3	6.46	6.42	5.79
TOTAL NONDURABLE GOODS	223.99	225.00	209.34	37.9	38.2	38.2	5.91	5.89	5.48
Food & kindred products	248.77	256.14	246.22	39.3	40.4	40.9	6.33	6.34	6.02
Meat products	271.32	276.22	243.36	42.0	42.3	40.9	6.46	6.53	5.95
Meat packing plants	305.53	311.44	283.72	41.4	42.2	42.6	7.38	7.38	6.66
Sausages & other prepared meats	289.86	299.91	254.55	38.7	39.0	37.6	7.49	7.69	6.77
Poultry dressing & processing	222.98	222.04	180.52	45.6	45.5	39.5	4.89	4.88	4.57
Dairy products	277.47	283.82	257.29	41.6	43.2	41.1	6.67	6.57	6.26
Fluid milk	279.89	280.98	254.18	41.1	42.0	41.6	6.81	6.69	6.11
Other dairy products	274.86	285.56	259.67	41.9	44.0	40.7	6.56	6.49	6.38
Preserved fruits & vegetables	206.65	215.90	202.79	37.1	38.9	39.3	5.57	5.55	5.16
Canned fruits & vegetables	181.79	199.36	168.68	37.1	39.4	38.6	4.90	5.06	4.37
Other preserved fruits & vegs.	230.88	228.51	234.80	37.0	38.6	40.0	6.24	5.92	5.87
Grain mill products	268.46	272.83	273.79	40.8	41.4	41.8	6.58	6.59	6.55
Bakery products	240.91	251.69	252.51	39.3	40.4	41.6	6.13	6.23	6.07
Bread, cake & related products	243.28	253.37	233.84	38.8	39.9	39.5	6.27	6.35	5.92
Cookies & crackers	236.52	247.94	298.75	40.5	41.6	46.9	5.84	5.96	6.37
Sugar & confectionery products	243.09	241.15	248.25	37.0	37.1	40.3	6.57	6.50	6.16
Confectionery products	196.08	200.68	205.28	34.1	34.6	39.1	5.75	5.80	5.25
Chocolate & cocoa products	271.72	274.19	257.58	39.9	40.5	40.5	6.81	6.77	6.36
Other sugar products	307.93	281.22	308.90	38.3	36.1	42.2	8.04	7.79	7.32
Beverages	301.09	324.34	319.97	38.7	41.2	41.5	7.78	7.87	7.71
Other food & kindred products	230.11	230.74	216.01	40.8	41.8	41.7	5.64	5.52	5.18
Tobacco manufacturers	160.51	159.71	144.60	38.4	38.3	39.4	4.18	4.17	3.67
Textile mill products	185.37	181.93	169.73	38.7	38.3	38.4	4.79	4.75	4.42
Weaving mills, snythetics	223.78	213.95	182.78	45.3	43.4	40.8	4.94	4.93	4.48
Knitting mills	169.92	166.53	156.46	37.1	36.6	36.9	4.58	4.55	4.24
Knit outerwear mills	170.25	167.32	150.23	37.5	37.1	35.6	4.54	4.51	4.22
Knit underwear mills	146.26	140.15	145.92	35.5	34.1	38.2	4.12	4.11	3.82
Other knitting mills	187.13	183.52	178.62	37.5	37.3	39.0	4.99	4.92	4.58
Floor covering mills	232.26	228.28	240.90	39.5	39.7	43.8	5.88	5.75	5.50
Yarn & thread mills	170.05	172.33	151.88	38.3	38.9	37.5	4.44	4.43	4.05
Other textile mill products	200.49	198.30	187.27	39.7	39.9	40.1	5.05	4.97	4.67

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(concl.)
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
Apparel & other textile products	$148.98	$146.17	$140.86	32.6	32.7	33.3	$4.57	$4.47	$4.23
Mens & boys suits & coats	191.18	185.85	191.14	34.2	35.0	36.9	5.59	5.31	5.18
Mens & boys furnishings	156.60	153.28	141.51	36.0	35.4	34.6	4.38	4.33	4.09
Mens & boys shirts & nightwear	153.56	154.34	143.02	35.3	35.4	35.4	4.35	4.36	4.04
Mens & boys separate trousers	170.19	155.50	151.39	33.7	31.1	33.2	5.05	5.00	4.56
Other furnishings & wrk. clothing	150.89	150.88	132.94	38.2	38.1	34.8	3.95	3.96	3.82
Womens & misses outerwear	141.94	137.86	132.49	30.2	30.1	31.1	4.70	4.58	4.26
Women & chilirens undergarments	129.28	137.16	131.76	34.2	36.0	36.0	3.78	3.81	3.66
Chi'drens outerwear	129.48	126.27	126.07	31.2	31.1	33.8	4.15	4.06	3.73
Other apparel & textile products	142.61	139.19	130.03	34.2	34.2	33.6	4.17	4.07	3.87
Paper & allied products	293.47	296.31	277.76	44.6	45.1	44.8	6.58	6.57	6.20
Paper mills exc. building paper	392.30	384.94	346.51	47.9	47.7	46.7	8.19	8.07	7.42
Paper board containers & boxes	268.38	276.96	257.40	41.1	41.9	42.9	6.53	6.61	6.00
Corrugated & solid fiber boxes	280.99	291.31	275.20	39.8	40.8	42.6	7.06	7.14	6.46
Other paperboard containers	255.43	262.12	239.64	42.5	42.9	43.1	6.01	6.17	5.56
Other paper & allied products	267.04	268.16	259.12	46.2	46.8	45.7	5.78	5.73	5.67
Printing & publishing	267.14	268.93	248.66	37.0	37.3	36.3	7.22	7.21	6.85
Newspapers	283.52	283.32	254.17	34.2	34.3	33.4	8.29	8.26	7.61
Books	214.72	217.87	194.10	34.3	35.6	35.1	6.26	6.12	5.53
Commercial printing	279.46	282.80	265.08	38.6	38.9	37.6	7.24	7.27	7.05
Lithographing	277.36	274.51	253.96	38.9	38.5	36.7	7.13	7.13	6.92
Other commercial printing	281.89	290.82	275.71	38.3	39.3	38.4	7.36	7.40	7.18
Manifold business forms	289.27	289.88	276.89	40.8	40.6	41.7	7.09	7.14	6.64
Other printing & publishing	258.32	261.59	245.68	38.1	38.3	37.0	6.78	6.83	6.64
Chemicals & allied products	306.07	301.26	276.81	42.1	41.9	41.5	7.27	7.19	6.67
Industrial inorganic chemicals	336.00	334.06	296.96	45.1	44.9	43.8	7.45	7.44	6.78
Plastic materials & synthetics	308.92	306.75	264.55	41.3	40.9	40.7	7.48	7.50	6.50
Drugs	293.92	294.46	264.92	39.4	39.9	39.6	7.46	7.38	6.69
Soap, cleaners & toliet goods	266.49	258.80	262.70	42.1	40.5	44.3	6.33	6.39	5.93
Paints & allied products	269.00	263.47	261.30	39.5	39.5	40.2	6.81	6.67	6.50
Other chemical & allied products	313.77	303.97	290.34	43.7	43.3	42.2	7.18	7.02	6.88
Petroleum & coal products	401.51	415.23	371.47	43.5	44.6	43.6	9.23	9.31	8.52
Petroleum refining	423.69	435.56	386.33	43.5	44.4	42.5	9.74	9.81	9.09
Other petroleum & coal products	323.95	338.70	328.76	43.6	45.1	47.1	7.43	7.51	6.98
Rubber & misc. plastic products	235.82	239.40	230.01	39.7	39.9	41.0	5.94	6.00	5.61
Tires & inner tubes	371.68	383.11	356.96	44.3	45.5	46.6	8.39	8.42	7.66
Fabricated rubber products	269.03	264.59	252.95	42.3	42.2	42.3	6.36	6.27	5.98
Other rubber & plastic prods.,nec	195.83	198.12	192.96	38.1	38.1	39.3	5.14	5.20	4.91
Leather & leather products	164.67	163.02	145.54	39.3	39.0	38.2	4.19	4.18	3.81
Footwear, exc. rubber	148.90	150.02	131.04	37.6	37.6	36.2	3.96	3.99	3.62
Mens footwear, exc. athletic	165.65	165.65	146.97	40.9	40.7	40.6	4.05	4.07	3.62
Womens footwear, exc. athletic	145.10	147.73	117.57	37.3	37.4	32.3	3.89	3.95	3.64
Other footwear	134.01	134.01	125.65	34.1	34.1	35.0	3.93	3.93	3.59
Other leather & leather products	212.27	204.45	201.04	44.5	43.5	45.9	4.77	4.70	4.38
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	368.64	352.87	306.34	48.0	46.8	40.9	7.68	7.54	7.49
Bituminous coal & lignite mining	362.81	364.22	373.74	33.5	33.6	36.4	10.83	10.84	10.24
Nonmetallic minerals, exc. fuels	332.05	343.62	323.23	45.8	47.2	48.1	7.25	7.28	6.72
Communication	365.56	373.80	326.82	41.4	42.0	40.7	8.83	8.90	8.03
Electric, gas, & sanitary services	411.72	403.19	380.44	45.9	45.1	44.6	8.97	8.94	8.53
Electric services	424.72	413.19	379.40	48.1	46.9	46.1	8.83	8.81	8.23
Gas production & distribution	345.66	340.85	333.41	43.1	42.5	42.8	8.02	8.02	7.79
General merchandise stores	130.00	128.98	117.72	27.6	27.5	27.0	4.71	4.69	4.36
Banking	173.63	170.66	155.07	INA	INA	INA	INA	INA	INA
Insurance carriers	209.57	206.02	195.85	INA	INA	INA	INA	INA	INA
Life insurance	198.52	192.57	184.91	INA	INA	INA	INA	INA	INA
Fire, marine & casualty ins.	213.22	208.24	197.78	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$154.42	39.8	$3.88	$172.61	41.0	$4.21	$130.60	38.3	$3.41	$191.83	40.3	$4.76
1973	167.23	40.2	4.16	187.17	41.5	4.51	139.03	38.3	3.63	212.38	41.4	5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1978 Oct	262.10	40.2	6.52	297.86	41.6	7.16	209.34	38.2	5.48	365.20	41.5	8.80
Nov	270.50	40.8	6.63	307.22	42.2	7.28	213.84	38.6	5.54	381.38	42.9	8.89
Dec	270.95	40.5	6.69	306.08	41.7	7.34	216.55	38.6	5.61	368.87	41.4	8.91
1979 Jan	269.20	40.0	6.73	305.95	41.4	7.39	212.81	37.8	5.63	373.92	41.5	9.01
Feb	271.32	39.9	6.80	308.92	41.3	7.48	212.06	37.6	5.64	384.14	41.8	9.19
Mar	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul	277.31	39.9	6.95	313.65	41.0	7.65	321.37	38.3	5.78	397.00	42.1	9.43
Aug	279.49	39.7	7.04	317.79	40.9	7.77	221.92	38.0	5.84	399.75	41.0	9.75
Sep	285.51	40.1	7.12	323.42	41.2	7.85	225.00	38.2	4.89	407.12	41.5	9.81
Oct	284.17	39.8	7.14	323.01	41.1	7.86	223.99	37.9	5.91	398.37	40.9	9.74

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$168.47	41.7	$4.04	$183.17	42.4	$4.32	$161.57	40.8	$3.96	$180.59	40.4	$4.47
1973	182.68	41.9	4.36	198.77	43.4	4.58	167.69	40.8	4.11	197.69	41.1	4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1978 Oct	273.36	40.8	6.70	297.08	42.5	6.99	259.78	41.3	6.29	326.98	42.3	7.73
Nov	280.57	41.2	6.81	304.72	43.1	7.07	263.54	41.7	6.32	338.55	42.8	7.91
Dec	285.49	41.8	6.83	309.31	42.9	7.21	264.92	41.2	6.43	348.29	43.7	7.97
1979 Jan	278.94	40.9	6.82	302.74	42.4	7.14	259.84	40.6	6.40	345.06	42.6	8.10
Feb	281.11	40.8	6.89	306.00	42.5	7.20	260.58	40.4	6.45	339.81	41.9	8.11
Mar	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	4.20	8.14
Apr	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	286.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul	282.80	40.0	7.07	303.99	41.7	7.29	260.95	39.9	6.54	334.55	40.7	8.22
Aug	283.60	40.0	7.09	312.28	42.2	7.40	256.71	39.8	6.45	341.04	40.6	8.40
Sep	286.80	40.0	7.17	318.33	42.5	7.49	271.62	40.3	6.74	350.26	41.5	8.44
Oct	292.25	40.2	7.27	320.97	42.4	7.57	272.56	40.2	6.78	356.14	41.8	8.52

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$149.48	40.4	$3.70	$113.08	39.4	$2.87	$ 94.24	33.9	$2.78	$170.33	38.8	$4.39
1973	158.36	40.5	3.91	120.43	39.1	3.08	99.71	33.8	2.95	180.81	38.8	4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1978 Oct	246.22	40.9	6.02	169.73	38.4	4.42	140.86	33.3	4.23	248.66	36.3	6.85
Nov	250.69	41.3	6.07	170.37	38.2	4.46	144.33	33.8	4.27	253.31	36.5	6.94
Dec	250.69	41.3	6.07	175.11	39.0	4.49	143.05	33.5	4.27	268.88	37.5	7.17
1979 Jan	243.01	40.1	6.06	174.72	38.4	4.55	140.28	32.7	4.29	254.51	36.1	7.05
Feb	240.34	39.4	6.10	171.00	37.5	4.56	141.57	33.0	4.29	252.74	35.9	7.04
Mar	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug	256.07	40.2	6.37	180.01	38.3	4.70	142.79	32.6	4.38	266.35	37.2	7.16
Sep	256.14	40.4	6.34	181.93	38.3	4.75	146.17	32.7	4.47	268.93	37.3	7.21
Oct	248.77	39.3	6.33	185.37	38.7	4.79	148.98	32.6	4.57	267.14	37.0	7.22

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA
(1967 = 100)
Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1968	$119.20	40.0	$2.98	105.6	104.2	$114.40	$ 4.80
1969	127.52	40.1	3.18	112.7	109.8	116.14	11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 ÷ Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS
(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
MANUFACTURING	994.4	1,000.0	997.5	39,617.6	40,052.3	40,110.6	283,041.2	285,217.9	261,618.3
DURABLE GOODS	608.2	610.8	596.8	24,981.2	25,188.6	24,802.5	196,493.0	197,606.9	177,632.9
NONDUR. GOODS	386.2	389.2	400.7	14,636.4	14,863.7	15,308.1	86,548.2	87,611.0	83,985.4

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Group
(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1972	1,444.0	841.7	24.7	22.5	65.3	210.7	120.5	131.0
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,362.1	825.4	21.7	20.3	64.3	199.5	112.3	137.3
1978 Oct.	1,372.1	832.3	22.5	20.8	64.9	199.6	113.2	139.2
Nov.	1,375.3	836.8	22.0	20.7	64.6	200.3	114.0	138.4
Dec.	1,371.2	837.0	21.4	20.9	63.8	201.4	114.5	138.7
1979 Jan.	1,364.3	835.0	20.8	20.7	62.2	201.7	114.5	140.6
Feb.	1,363.4	837.0	20.8	20.8	61.3	202.1	114.8	140.9
Mar.	1,365.4	837.3	21.1	20.3	62.0	201.7	114.6	140.8
Apr.	1,365.5	836.8	21.7	20.2	62.5	201.6	114.9	141.2
May	1,368.4	841.8	21.8	20.0	63.4	202.2	114.6	140.8
Jun.	1,387.3	854.2	22.1	20.4	65.1	206.8	115.4	141.8
Jul.	1,374.3	849.5	21.7	19.7	64.9	206.5	113.5	140.2
Aug.	1,367.8	839.2	22.0	20.5	64.4	206.8	114.2	137.7
Sep.	1,376.5	849.7	21.8	20.8	63.7	204.4	114.6	140.9
Oct.	1,371.7	847.5	21.6	20.7	63.3	202.5	114.9	141.0

Year and Month	Electrical Equipment and Supplies	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1972	133.7	69.0	34.0	30.4	602.3	109.6	7.5	62.9
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	124.6	80.6	38.3	26.6	536.7	98.1	4.1	50.6
1978 Oct.	126.1	81.1	37.3	27.6	539.8	99.3	4.2	51.2
Nov.	125.9	84.4	38.8	27.7	538.5	99.9	4.2	51.2
Dec.	126.1	85.1	38.9	26.2	534.2	99.2	4.1	50.5
1979 Jan.	126.6	83.5	39.2	25.2	529.3	96.8	4.1	49.6
Feb.	126.6	84.6	39.5	25.6	526.4	94.1	4.0	49.1
Mar.	126.5	84.6	39.8	25.9	528.1	95.2	4.0	49.3
Apr.	127.4	81.3	39.9	26.1	528.7	95.6	3.9	49.1
May	127.6	85.5	39.9	26.0	526.6	94.6	3.9	49.2
Jun.	128.3	87.2	40.4	26.7	533.1	96.4	3.9	49.2
Jul.	129.3	87.2	40.0	26.5	524.8	96.5	3.8	47.8
Aug.	120.4	86.3	39.3	27.0	528.6	98.6	3.7	48.8
Sep.	129.1	88.2	39.4	26.8	526.8	98.9	3.6	48.4
Oct.	128.3	88.9	39.4	26.9	524.2	98.9	3.5	48.2

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1972	162.6	66.0	44.9	71.8	59.4	19.8	38.7	25.1
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	133.0	59.8	44.5	70.6	60.0	17.0	39.8	19.0
1978 Oct.	133.3	60.5	45.7	69.6	60.3	17.1	40.8	18.3
Nov.	132.5	60.0	44.7	69.8	60.0	16.9	40.9	18.4
Dec.	128.4	58.4	45.0	71.1	60.5	16.6	40.7	18.1
1979 Jan.	127.6	58.9	44.6	70.8	60.6	16.6	40.5	18.1
Feb.	129.6	59.2	44.1	70.4	60.1	16.5	40.6	17.9
Mar.	128.9	59.4	44.3	70.8	60.8	16.6	40.7	17.5
Apr.	129.3	58.8	44.8	70.8	60.9	16.9	40.4	17.0
May	127.8	57.4	44.3	70.9	61.1	17.1	40.5	17.2
Jun.	128.8	58.5	45.2	71.3	62.1	17.6	41.2	17.4
Jul.	123.6	55.6	45.2	71.0	62.3	17.6	40.9	16.1
Aug.	123.2	54.3	46.1	70.8	62.1	17.7	40.7	16.9
Sep.	123.2	54.7	45.6	70.8	61.5	17.4	40.7	16.7
Oct.	122.0	54.5	44.8	70.7	61.4	17.1	40.9	16.7

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)
1967 = 100

Industry Group	1979		1978	1977	ANNUAL AVERAGE	
	Oct.	Sept.	Oct.	Oct.	1978	1977
EMPLOYMENT						
All Manufacturing	88.1	88.4	88.1	86.5	87.5	86.2
Primary Metals	79.0	79.7	77.9	76.2	77.8	77.9
Apparel	67.9	68.6	74.2	75.1	74.1	74.6
All Nonmanufacturing	128.8	127.2	128.3	125.9	126.7	123.5
Construction	112.1	112.2	118.1	113.1	107.6	101.3
Retail Trade	129.4	127.7	131.8	128.2	129.3	124.8
Services	152.5	149.9	147.9	143.1	144.9	140.8
Government	122.4	119.9	122.3	125.6	126.6	125.4

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty-five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to:

Office of Employment Security
Research and Statistics Division
Labor Market Information Section
Labor and Industry Building-Room 1225
Harrisburg, Pennsylvania 17121

GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN – BETHLEHEM – EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania: Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania: Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)

SEPTEMBER

Major Labor Market Area	Employment (Thousands)	Accession Rates: Total			Accession Rates: New Hires			Accession Rates: Recalls		
		Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978
PENNSYLVANIA	1,376.5	3.1	3.5	3.2	2.1	2.2	2.3	0.8	1.0	0.7
ALLENTOWN-BETHLEHEM-EASTON	110.3	2.6	2.9	2.9	1.6	1.6	1.9	0.8	1.1	0.8
ALTOONA	13.2	1.7	1.9	1.9	1.3	1.2	1.0	0.3	0.5	0.7
ERIE	45.6	3.5	4.2	3.4	2.4	2.1	2.6	0.5	1.6	0.6
HARRISBURG	43.2	3.4	4.7	3.1	2.8	4.0	2.5	0.4	0.7	0.3
JOHNSTOWN	20.0	1.8	2.6	3.0	0.8	0.8	1.2	1.0	1.6	1.8
LANCASTER	59.4	3.5	3.6	3.6	3.0	3.2	3.3	0.4	0.3	0.1
NORTHEAST	69.9	3.8	5.3	3.9	1.8	2.2	2.5	1.5	2.8	1.1
SCRANTON	27.8	4.1	5.3	4.0	1.7	2.2	2.6	1.9	3.0	1.3
WILKES-BARRE-HAZLETON	37.3	3.6	3.8	3.4	1.8	1.8	2.0	1.4	1.7	1.0
PHILADELPHIA	455.6	3.3	3.5	3.2	2.5	2.3	2.4	0.6	0.9	0.6
PITTSBURGH	254.8	2.1	2.3	2.2	1.1	1.2	1.2	0.6	0.6	0.7
READING	53.8	3.9	4.9	4.5	2.8	3.0	3.3	0.8	1.8	1.0
WILLIAMSPORT	17.8	1.6	1.6	2.5	0.7	0.7	1.9	0.6	0.8	0.5
YORK	65.6	5.3	5.2	6.3	3.8	3.2	4.7	1.3	1.9	1.5

Major Labor Market Area	Employment (Thousands)	Separation Rates: Total			Separation Rates: Quits			Separation Rates: Layoffs		
		Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978	Sep. 1979	Aug. 1979	Sep. 1978
PENNSYLVANIA	1,376.5	3.5	4.2	3.4	1.6	2.3	1.9	1.2	1.2	0.8
ALLENTOWN-BETHLEHEM-EASTON	110.3	2.6	3.4	3.1	1.1	1.7	1.7	1.0	1.0	0.7
ALTOONA	13.2	2.4	3.5	2.7	1.1	1.4	1.2	1.0	1.8	1.1
ERIE	45.6	3.1	3.6	3.7	1.5	1.8	1.6	0.6	0.9	1.3
HARRISBURG	43.2	3.5	5.1	3.9	2.3	3.4	2.5	0.7	1.0	0.8
JOHNSTOWN	20.0	5.7	3.0	4.0	0.7	1.2	1.2	4.2	1.0	2.2
LANCASTER	59.4	4.1	5.6	4.3	2.4	3.9	3.0	0.9	1.1	0.5
NORTHEAST	69.9	4.0	6.0	4.1	1.5	2.3	1.9	1.9	3.0	1.5
SCRANTON	27.8	3.6	3.8	4.5	1.3	2.0	1.7	1.9	1.4	2.1
WILKES-BARRE-HAZLETON	37.3	4.1	6.2	3.6	1.6	2.1	1.8	2.1	3.5	0.9
PHILADELPHIA	455.6	3.5	4.2	3.5	1.8	2.2	1.8	0.8	1.0	0.9
PITTSBURGH	254.8	3.4	3.7	2.4	1.2	1.7	1.1	1.4	1.1	0.7
READING	53.8	3.2	4.2	3.4	1.9	2.7	2.2	0.6	0.8	0.4
WILLIAMSPORT	17.8	3.5	3.0	3.8	0.7	1.2	1.8	2.4	1.3	1.5
YORK	65.6	3.7	4.6	4.3	2.4	3.4	3.2	0.7	0.6	0.5

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
PENNSYLVANIA	$284.17	$285.51	$262.10	39.8	40.1	40.2	$7.14	$7.12	$6.52
ALLENTOWN-BETHLEHEM-EASTON	289.09	287.54	258.34	38.7	38.7	38.5	7.47	7.43	6.71
ALTOONA	239.90	246.76	211.69	39.2	39.8	37.6	6.12	6.20	5.63
ERIE	296.90	295.53	270.90	41.7	41.8	42.0	7.12	7.07	6.45
HARRISBURG	276.89	273.97	239.40	41.7	41.7	40.1	6.64	6.57	5.97
JOHNSTOWN	304.51	296.73	279.70	38.4	37.8	39.9	7.93	7.85	7.01
LANCASTER	252.77	250.51	231.49	41.1	40.8	40.4	6.15	6.14	5.73
NORTHEAST	204.03	203.86	187.08	37.3	37.2	36.9	5.47	5.48	5.07
SCRANTON	209.37	209.91	198.90	38.7	38.8	39.0	5.41	5.41	5.10
WILKES-BARRE-HAZLETON	191.75	197.97	177.41	34.8	35.8	35.2	5.51	5.53	5.04
PHILADELPHIA	286.22	285.73	269.47	40.2	40.3	40.4	7.12	7.09	6.67
PITTSBURGH	346.12	355.88	321.12	40.2	41.0	40.7	8.61	8.68	7.89
READING	260.63	255.03	230.29	38.9	38.7	38.9	6.70	6.59	5.92
WILLIAMSPORT	259.25	255.42	234.21	39.4	39.6	39.9	6.58	6.45	5.87
YORK	259.38	265.02	244.70	41.5	42.0	41.9	6.25	6.31	5.84

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Oct. 1979		Sept. 1979		Oct. 1978	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	5.6	6.0	5.6	5.8	5.4	5.8
PENNSYLVANIA	7.9	8.3	6.7	7.1	6.9	7.3
ALLENTOWN-BETH-EASTON	7.5	8.1	5.9	6.3	5.7	6.1
ALTOONA	9.9	10.7	8.9	9.4	8.3	8.9
ERIE	8.2	9.0	6.8	7.4	7.1	7.9
HARRISBURG	5.9	6.3	5.0	5.2	4.9	5.3
JOHNSTOWN	9.9	10.6	8.4	8.2	8.7	9.2
LANCASTER	5.4	6.2	4.8	5.3	4.3	5.0
NORTHEAST	9.8	10.7	8.5	9.1	8.8	9.7
SCRANTON	9.2	10.2	7.8	8.4	8.3	9.2
W BARRE-HAZLETON	10.2	10.8	9.2	9.6	9.2	9.8
PHILADELPHIA	7.6	7.6	6.9	6.9	7.5	7.5
PITTSBURGH	6.8	7.3	5.7	6.1	6.0	6.3
POTTSVILLE	10.6	-	9.5	-	7.7	-
READING	6.3	7.1	5.3	5.9	4.8	5.5
UNIONTOWN-CONNELLSVLE	11.6	-	8.2	-	7.5	-
WILLIAMSPORT	11.6	12.9	9.4	10.8	7.8	8.5
YORK	6.0	7.1	4.7	5.2	4.4	5.2

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
UNITED STATES	103,939.0	103,373.0	101,555.0	98,158.0	97,576.0	96,095.0	5,781.0	5,798.0	5,460.0
PENNSYLVANIA	5,364.0	5,301.0	5,325.0	4,938.0	4,944.0	4,955.0	426.0	357.0	369.0
ALLENTOWN-BETH-EASTON	301.7	297.1	296.8	278.9	279.5	280.0	22.8	17.6	16.9
ALTOONA	59.7	58.9	57.0	53.8	53.7	52.3	5.9	5.2	4.7
ERIE	127.4	126.7	126.0	116.9	118.1	117.0	10.5	8.6	9.0
HARRISBURG	216.3	216.0	216.4	203.5	205.2	205.8	12.7	10.8	10.6
JOHNSTOWN	110.5	108.8	106.4	99.5	99.6	97.2	11.0	9.1	9.2
LANCASTER	176.7	176.2	173.8	167.1	167.8	166.4	9.6	8.4	7.5
NORTHEAST	284.5	280.0	283.0	256.6	256.3	258.0	27.9	23.7	25.0
SCRANTON	104.4	102.7	104.0	94.9	94.7	95.4	9.6	8.0	8.7
W BARRE-HAZLETON	153.9	151.9	153.1	138.2	138.0	138.9	15.7	13.9	14.2
PHILADELPHIA	2,135.6	2,110.3	2,113.4	1,972.7	1,963.7	1,954.0	162.9	146.6	159.4
PITTSBURGH	1,015.3	1,011.4	998.8	945.8	953.7	939.3	69.4	57.7	59.4
POTTSVILLE	65.8	65.6	67.9	58.8	59.3	62.6	7.0	6.2	5.2
READING	155.4	153.4	148.7	145.6	145.2	141.5	9.8	8.2	7.2
UNIONTOWN-CONNELLSVLE	59.2	57.6	60.0	52.3	52.9	55.6	6.8	4.7	4.5
WILLIAMSPORT	55.7	54.8	54.0	49.2	49.7	49.8	6.5	5.2	4.2
YORK	170.3	169.9	168.5	160.0	161.8	161.0	10.3	8.0	7.4

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes, not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
UNITED STATES	90,851.0	90,255.0	88,100.0	75,059.0	74,893.0	72,544.0
PENNSYLVANIA	4,742.8	4,705.6	4,730.3	4,040.3	4,018.5	4,027.1
ALLENTOWN-BETHLEHEM-EASTON	260.8	259.6	262.0	231.1	230.7	231.4
ALTOONA	53.0	52.6	51.9	45.8	45.6	44.9
ERIE	116.6	117.3	117.5	103.0	103.0	102.6
HARRISBURG	212.9	213.4	216.6	157.8	159.2	160.5
JOHNSTOWN	90.2	89.9	88.4	73.9	74.0	73.5
LANCASTER	150.3	149.7	150.5	136.1	135.6	135.1
NORTHEAST	240.7	239.1	243.5	199.0	200.2	205.1
SCRANTON	87.9	86.5	87.0	74.7	74.0	75.4
WILKES-BARRE-HAZLETON	123.4	122.7	127.1	103.0	103.9	108.5
PHILADELPHIA	1,906.5	1,887.4	1,891.9	1,607.2	1,595.1	1,597.8
PITTSBURGH	947.3	950.8	946.0	826.1	832.1	825.0
POTTSVILLE	46.9	47.0	50.3	38.9	39.0	42.5
READING	141.5	140.3	138.3	124.3	123.2	119.8
UNIONTOWN-CONNELLSVILLE	35.7	35.9	38.0	29.0	29.2	30.5
WILLIAMSPORT	49.3	49.5	50.2	42.5	42.8	43.1
YORK	154.1	153.5	154.4	135.4	135.3	135.7

Area	Manufacturing			Nonmanufacturing		
	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
UNITED STATES	21,157.0	21,199.0	20,832.0	69,694.0	69,056.0	67,268.0
PENNSYLVANIA	1,371.7	1,376.5	1,372.1	3,362.8	3,322.0	3,348.9
ALLENTOWN-BETHLEHEM-EASTON	110.4	110.3	110.2	150.4	149.1	151.8
ALTOONA	13.3	13.2	13.1	39.7	39.4	38.8
ERIE	45.5	45.6	45.2	71.0	71.6	72.2
HARRISBURG	43.1	43.2	42.2	169.3	169.7	174.1
JOHNSTOWN	20.0	20.0	19.9	70.2	69.9	68.3
LANCASTER	59.4	59.4	59.9	90.9	90.3	90.6
NORTHEAST	69.4	69.9	73.3	169.5	168.0	169.8
SCRANTON	28.4	27.8	28.7	58.3	57.8	58.1
WILKES-BARRE-HAZLETON	36.4	37.3	40.0	86.4	85.2	86.9
PHILADELPHIA	455.8	455.6	450.6	1,449.1	1,431.5	1,438.4
PITTSBURGH	253.0	254.8	250.5	691.4	692.9	692.0
POTTSVILLE	19.8	20.1	21.7	26.9	26.7	28.5
READING	54.4	53.8	52.9	87.1	86.3	84.3
UNIONTOWN-CONNELLSVILLE	8.3	8.3	7.9	27.4	27.6	29.4
WILLIAMSPORT	17.4	17.8	18.4	31.9	31.7	31.6
YORK	66.6	65.6	66.6	87.5	87.8	87.8

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred						Textiles						Apparel					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.3	3.1		4.4	2.4	1.3	5.1	3.4		5.4	2.8	1.9	5.1	4.3		5.2	3.6	0.7	4.8	3.0		5.1	2.4	1.9
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		5.8	2.6	2.5	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
Sep.	3.9	3.0	0.7	4.3	2.7	1.0	4.8	3.4	1.2	4.6	2.7	1.2	4.6	4.1	0.3	5.4	3.9	0.8	4.6	3.3	1.0	5.0	3.0	1.1
Oct.	3.9	2.9	0.8	3.9	2.0	1.3	5.2	3.4	1.6	5.2	2.4	2.1	5.0	4.4	0.4	4.5	3.1	0.8	4.1	3.0	0.8	4.8	2.3	1.8
Nov.	3.0	2.1	0.7	3.6	1.5	1.5	4.0	2.8	0.9	4.2	1.9	1.7	3.4	2.8	0.5	4.0	2.2	1.2	3.4	2.2	0.9	4.7	1.7	2.3
Dec.	2.2	1.4	0.7	3.5	1.2	1.6	2.6	1.9	0.6	4.8	1.5	2.5	2.5	1.7	0.7	3.5	1.6	1.3	2.0	1.2	0.7	4.8	1.2	2.8
1979																								
Jan.	4.0	2.2	1.6	3.9	1.5	1.7	3.6	2.0	1.4	5.2	1.6	3.0	4.1	3.2	0.7	4.3	2.5	1.2	6.7	2.6	3.8	4.9	1.8	2.3
Feb.	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar.	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr.	3.6	2.1	1.1	3.5	1.5	1.3	4.3	2.5	1.6	4.1	1.6	2.0	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun.	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul.	4.0	2.2	1.6	4.3	1.6	2.1	5.8	3.0	2.6	4.3	1.9	1.8	4.8	2.6	2.0	6.5	2.3	3.4	4.8	2.1	2.4	6.7	1.9	3.9
Aug.	4.2	2.7	1.2	5.0	2.9	1.4	5.4	3.5	1.4	4.6	3.1	0.8	4.4	3.4	0.9	6.2	3.7	0.4	5.3	2.6	2.4	6.5	2.8	2.7
Sep.	4.0	2.7	1.0	4.3	2.3	1.3	5.0	3.5	1.4	4.9	2.5	1.5	3.9	3.0	0.7	5.0	3.2	1.2	5.4	2.8	2.1	5.3	2.4	2.4

Year & Month	Paper & Allied Products						Printing & Publishing						Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.1	2.6		3.0	1.7	0.6	2.8	2.2		2.9	1.6	0.8	2.5	1.8		2.4	1.2	0.6	1.6	1.3		2.0	0.7	0.4
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.2	1.5	0.6	2.1	1.0	0.7	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
Sep.	2.8	2.4	0.2	4.1	2.3	1.2	2.7	2.3	0.3	2.5	1.7	0.3	1.7	1.3	0.3	2.2	1.2	0.5	1.4	1.1	0.1	2.4	1.4	0.5
Oct.	2.9	1.9	0.8	2.9	1.2	1.1	2.7	2.2	0.4	2.4	1.4	0.7	2.0	1.6	0.3	1.8	0.7	0.7	1.1	1.0	0.1	1.5	0.5	0.5
Nov.	1.9	1.3	0.5	3.3	0.8	2.0	2.5	1.6	0.8	2.3	1.2	0.8	1.4	1.0	0.3	1.4	0.6	0.4	0.7	0.5	N	1.5	0.3	0.7
Dec.	2.3	1.0	1.1	2.4	0.7	1.2	2.1	1.3	0.7	1.9	1.1	0.5	1.2	0.9	0.2	1.3	0.5	0.3	0.6	0.4	N	1.8	0.3	0.8
1979																								
Jan.	2.5	1.2	1.1	3.4	0.9	1.8	2.8	2.2	0.6	2.9	1.2	1.1	1.6	1.2	0.3	1.7	0.6	0.5	1.0	0.7	0.2	1.1	0.3	0.5
Feb.	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.2
Mar.	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.1
Apr.	2.6	1.6	0.8	2.5	1.1	0.8	2.4	1.8	0.5	2.3	1.2	0.8	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.2
Jun.	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul.	4.3	2.6	1.6	3.6	1.2	1.7	2.4	1.7	0.6	2.1	1.2	0.6	1.6	1.2	0.3	1.4	0.7	0.4	2.7	2.3	0.2	1.1	0.4	0.2
Aug.	3.6	2.6	0.9	4.5	2.7	0.8	2.5	1.9	0.1	3.2	2.2	0.4	1.9	1.6	0.3	2.8	1.9	0.4	1.4	0.9	0.1	3.6	2.5	0.4
Sep.	3.5	3.0	0.3	4.1	2.3	0.9	2.7	2.2	0.4	2.7	1.7	0.6	2.0	1.6	0.3	2.3	1.2	0.7	1.7	1.4	0.2	1.9	1.1	0.1

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	5.0	3.9		4.8	2.7	0.9	7.5	6.3		7.9	5.7	1.3
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
Sep.	3.6	2.4	0.7	4.5	2.6	1.1	8.5	6.7	1.3	10.3	6.8	2.5
Oct.	4.5	3.0	1.2	3.1	1.6	0.8	6.7	4.9	1.5	8.4	5.2	2.3
Nov.	2.9	2.0	0.6	3.0	1.3	1.1	5.8	4.2	1.1	7.5	4.2	2.5
Dec.	1.9	1.3	0.5	2.3	1.0	1.0	4.5	2.7	1.5	7.0	3.5	2.7
1979												
Jan.	3.8	2.6	1.0	2.7	1.2	0.8	7.7	4.8	2.2	6.5	3.7	2.1
Feb.	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar.	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr.	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun.	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul.	3.1	2.0	0.8	3.2	1.4	1.0	5.5	4.0	1.0	9.9	4.5	4.9
Aug.	3.9	2.8	0.7	5.6	3.3	1.3	10.4	6.5	3.7	10.8	6.7	3.4
Sep.	3.7	2.6	0.5	4.5	2.3	1.1	5.9	4.7	0.7	8.5	6.3	1.4

N = Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.7	2.7		3.5	1.8	0.9	3.3	2.4		3.0	1.5	0.7	6.4	5.2		6.6	4.2	1.4	4.1	2.4		3.8	1.6	1.5
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.4		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	4.1	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
Sep	3.2	2.3	0.7	3.4	1.9	0.8	2.6	1.8	0.6	2.7	1.3	0.7	5.7	5.1	0.4	5.0	3.3	0.5	2.8	2.0	0.5	3.3	1.5	1.3
Oct	3.1	2.2	0.7	3.0	1.3	1.0	2.7	1.8	0.6	2.3	0.9	0.7	5.6	5.0	0.4	5.4	3.2	0.9	2.3	1.6	0.6	2.6	0.8	1.2
Nov	2.3	1.5	0.6	2.7	1.0	1.1	2.0	1.2	0.6	2.1	0.6	0.9	3.9	3.4	0.3	4.1	2.3	0.9	1.8	1.0	0.5	2.5	0.7	0.9
Dec	1.9	1.1	0.6	2.7	0.8	1.3	1.6	0.9	0.5	2.1	0.5	1.0	2.8	2.5	0.2	3.3	1.9	0.5	1.7	0.7	0.8	3.6	0.5	2.2
1979																								
Jan	3.3	1.9	1.2	3.1	1.0	1.4	2.8	1.6	0.9	2.7	0.7	1.1	4.0	3.4	0.5	5.0	2.1	1.8	2.1	0.9	1.1	4.1	0.7	2.8
Feb	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul	3.2	1.8	1.1	3.3	1.1	1.6	2.7	1.6	0.9	2.7	0.8	1.2	6.6	3.5	3.0	7.5	2.0	4.5	2.7	1.7	0.9	2.4	0.8	1.1
Aug	3.5	2.2	1.0	4.2	2.3	1.2	3.0	1.8	0.9	3.7	1.8	1.1	6.9	5.2	1.6	6.8	4.4	0.7	2.9	1.7	1.1	4.1	2.1	1.4
Sep	3.1	2.1	0.8	3.5	1.6	1.2	2.6	1.7	0.6	3.1	1.2	1.1	5.4	5.0	0.2	6.3	3.3	1.4	3.2	1.4	1.7	3.2	1.2	1.2

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	2.4	1.8		2.1	1.0	0.4	4.0	2.9		3.8	1.7	1.2	2.8	2.3		2.1	1.2	0.3	3.2	2.4		3.0	1.5	0.6
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
Sep	2.0	1.1	0.7	2.6	1.2	0.7	3.1	2.2	0.7	3.2	1.5	1.0	1.8	1.5	0.2	1.8	1.0	0.3	2.5	1.5	0.7	2.6	1.3	0.5
Oct	2.0	1.0	0.7	2.2	0.5	1.0	3.3	2.5	0.6	2.9	1.0	1.0	2.0	1.7	0.2	1.5	0.8	0.3	2.6	1.7	0.6	2.2	0.8	0.6
Nov	1.7	0.7	0.8	1.6	0.4	0.7	2.6	1.4	0.9	3.0	0.8	1.7	1.6	1.3	0.2	1.4	0.6	0.4	2.0	1.1	0.6	1.9	0.7	0.7
Dec	1.6	0.5	0.8	1.9	0.3	1.0	1.9	1.0	0.7	2.3	0.6	1.2	1.4	1.1	0.2	1.4	0.6	0.4	1.6	0.8	0.5	1.7	0.5	0.6
1979																								
Jan	3.0	1.3	1.4	2.4	0.4	1.0	3.4	1.9	1.2	3.2	0.8	1.6	2.2	1.6	0.3	1.6	0.8	0.3	2.5	1.4	0.7	2.4	0.7	0.9
Feb	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.9	2.1	0.5	1.7	0.8	0.3
Jul	2.2	1.4	0.6	2.3	0.5	0.8	3.3	1.9	1.1	3.3	0.9	1.7	2.0	1.3	0.5	1.9	0.7	0.7	2.9	1.6	1.0	2.8	0.8	1.5
Aug	2.0	1.2	0.5	3.4	1.7	0.8	4.7	2.4	1.9	4.6	2.0	1.9	2.3	1.5	0.6	2.3	1.3	0.4	3.0	2.1	0.5	3.9	2.0	1.0
Sep	1.7	0.9	0.5	3.5	1.0	1.7	3.4	2.3	0.7	3.0	1.2	1.1	1.8	1.5	0.2	2.0	0.9	0.5	2.8	1.8	0.5	2.6	1.3	0.6

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.4	2.6		3.8	1.4	1.2	2.9	2.4		2.8	1.6	0.5	3.6	2.7		3.5	2.0	0.9
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
Sep	3.8	2.1	1.3	2.6	1.0	0.8	2.4	1.9	0.3	2.5	1.3	0.7	3.9	2.9	0.7	3.9	1.6	0.8
Oct	3.3	1.8	1.1	2.1	0.7	0.4	2.4	2.0	0.3	1.4	0.9	0.2	4.3	3.6	0.6	2.9	1.4	1.0
Nov	2.5	1.2	0.7	1.7	0.5	0.5	1.6	1.2	0.3	1.3	0.7	0.1	1.8	1.2	0.5	4.0	1.1	2.5
Dec	1.6	0.8	0.3	2.0	0.3	1.0	1.1	0.9	0.1	1.2	0.6	0.1	1.7	0.6	1.0	5.5	0.8	4.1
1979																		
Jan	2.9	1.7	0.8	2.8	0.8	0.9	2.3	2.1	0.1	1.6	0.7	0.2	4.1	2.4	1.6	3.8	0.7	2.2
Feb	2.0	1.3	0.4	2.9	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.9	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun	2.7	1.7	0.6	3.8	0.6	1.9	2.9	2.3	0.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul	3.2	1.4	1.2	3.0	0.6	1.4	1.5	1.2	0.1	2.1	0.8	0.8	3.3	1.5	1.7	4.1	1.4	2.2
Aug	3.1	1.4	1.2	3.4	1.1	1.4	1.9	1.2	0.5	2.6	1.5	0.3	4.8	3.4	1.3	6.2	3.7	1.9
Sep	3.2	1.6	1.1	2.8	1.0	1.0	1.6	1.3	0.2	3.2	1.2	1.1	4.7	3.7	0.8	4.5	2.2	1.2

N = Negligible